

AN 000084

Title Chemicals in My World Curriculum Series: Plants and Pollution--Lesson Plan for Grades 3-5

Author(s) Dereski, M.

Publication Year 1999

Publisher Wayne State University

Format Curriculum

Language English

Audience K-12--Elementary school

Physical Description 1 p; b&w

Availability Copyrighted and COEP requires that users undergo training.

See Notes. Some information about the curriculum is available on-line at www.ehscenter.org. Select "Community Outreach", then "Educational Outreach", then "Curriculum", then "Grades 3 through 5."

See Web site: <http://www.ehscenter.org/>

COEP Wayne State University

Subjects Curriculum, Toxicology, Primary school education, Classroom activities, Lesson plans, Environmental pollution, Toxicology

Abstract Chemicals in My World is an environmental toxicology curriculum for K-12 students, consisting of six lesson plans, each targeted to a different age group. This lesson plan consists of several activities to teach students in grades 3 through 5 about the interaction between plants and pollution. The goal of the lesson is to introduce a variety of concepts, specifically: 1) the environment and environmental toxicology and related vocabulary, 2) that chemicals are everywhere, 3) natural and synthetic chemicals, 4) the importance of research, 5) pollution and acid rain, and 6) that chemicals can be beneficial. In order to borrow the full lesson plan kit, which includes written materials and supplies, teachers must receive training, which is provided at no cost by the Wayne State University COEP to local teachers.

Notes Training is required to use the full curriculum. For more information, contact Mary Dereski, Ph.D., COEP Director, m.dereski@wayne.edu, tel (313) 961-3348, fax (313) 963-1946.

AN 000085

Title Chemicals in My World Curriculum Series: Eating for Your Health

Author(s) Dereski, M.

Publication Year 1998

Publisher Wayne State University

Format Curriculum

Language English

Audience K-12--Middle school

Physical Description 1 p; b&w

Availability Copyrighted and COEP requires that users undergo training.

See Notes. Some information about the curriculum is available on-line at www.ehscenter.org. Select "Community Outreach", then "Educational Outreach", then "Curriculum", then "Grades 6 through 8."

See Web site: <http://www.ehscenter.org/>

COEP Wayne State University

Subjects Curriculum, Toxicology, Primary school education, Classroom activities, Lesson plans, Nutrition

Abstract Chemicals in My World is an environmental toxicology curriculum for K-12 students, consisting of six lesson plans, each targeted to a different age group. This lesson plan consists of several activities to teach students in grades 6 through 8 about the interactions among environmental toxicants, nutrition, and human health. The goal of the lesson is to introduce a variety of concepts, specifically: 1) the environment and environmental toxicology, 2) that a healthy diet can help protect against the effects of toxicants, 3) the importance of research, 5) the importance of caloric intake and exercising, and 6) the food pyramid and sources of nutrients. In order to borrow the full lesson plan kit, which includes written materials and supplies, teachers must receive training, which is provided at no cost by the Wayne State University COEP to local teachers.

Notes Training is required to use the full curriculum. For more information, contact Mary Dereski, Ph.D., COEP Director, m.dereski@wayne.edu, tel (313) 961-3348, fax (313) 963-1946.

AN 000086

Title Chemicals in My World Curriculum Series: Get the Lead Out!

Author(s) Dereski, M.

Publication Year 1999

Publisher Wayne State University

Format Curriculum

Language English

Audience K-12--Middle school, K-12--High school

Physical Description 1 p; b&w

Availability Copyrighted and COEP requires that users undergo training.

See Notes. Some information about the curriculum is available on-line at www.ehscenter.org. Select "Community Outreach", then "Educational Outreach", then "Curriculum", then "Grades 6 through 12."

See Web site: <http://www.ehscenter.org/>

COEP Wayne State University

Subjects Curriculum, Toxicology, Primary school education, Secondary school education, Classroom activities, Lesson plans, Lead, Lead poisoning

Abstract Chemicals in My World is an environmental toxicology curriculum for K-12 students, consisting of six lesson plans, each targeted to a different age group. This lesson plan consists of several activities to teach students in grades 6 through 12 about environmental toxicology, lead, and lead poisoning. The goal of the lesson is to introduce a variety of concepts, specifically: 1) the environment and environmental toxicology and related vocabulary, 2) that chemicals are everywhere, 3) natural and synthetic chemicals, 4) the importance of research, 5) threshold and dose-response, and 6) lead and lead poisoning. In order to borrow the full lesson plan kit, which includes written materials and supplies, teachers must receive training, which is provided at no cost by the Wayne State University COEP to local teachers.

Notes Training is required to use the full curriculum. For more information, contact Mary Dereski, Ph.D., COEP Director, m.dereski@wayne.edu, tel (313) 961-3348, fax (313) 963-1946.

AN 000087

Title Chemicals in My World Curriculum Series: Genes, Disease, and the Environment

Author(s) Dereski, M.

Publication Year 1997

Publisher Wayne State University

Format Curriculum

Language English

Audience K-12--High school

Physical Description 1 p; b&w

Availability Copyrighted and COEP requires that users undergo training.

See Notes. Some information about the curriculum is available on-line at www.ehscenter.org. Select "Community Outreach", then "Educational Outreach", then "Curriculum", then "Grades 9 through 12."

See Web site: <http://www.ehscenter.org/>

COEP Wayne State University

Subjects Curriculum, Toxicology, Secondary School education, Classroom activities, Lesson plans, Mutations, Mutagens

Abstract Chemicals in My World is an environmental toxicology curriculum for K-12 students, consisting of six lesson plans, each targeted to a different age group. This lesson plan consists of several activities to teach students in grades 9 through 12 about environmental toxicology, UV light, and DNA mutations. The goal of the lesson is to introduce a variety of concepts, specifically: 1) the environment and environmental toxicology, 2) DNA mutations, 3) altered protein function as a result of mutations, 4) gel electrophoresis, and 5) environmental causes of mutations. In order to borrow the full lesson plan kit, which includes written materials and supplies, teachers must receive training, which is provided at no cost by the Wayne State University COEP to local teachers.

Notes Training is required to use the full curriculum. For more information, contact Mary Dereski, Ph.D., COEP Director, m.dereski@wayne.edu, tel (313) 961-3348, fax (313) 963-1946.

AN 000088

Title Wayne State University Environmental Health Sciences Center Web Site

Author(s) Dereski, M.

Publication Year 2001

Publisher Wayne State University

Format Web site

Language English

Audience K-12, General public--Local residents

Physical Description Web site

Availability Copyrighted, but copyright holder allows copying and distributing.

See Web site: <http://www.ehscenter.org>

COEP Wayne State University

Subjects NIEHS Centers research and activities, COEPs (Community Outreach and Education Programs), COEP activities, Outreach activities

Abstract The Environmental Health Sciences Center for Molecular and Cellular Toxicology with Human Applications supports interdisciplinary research on the mechanisms of toxicant action and gene-environment interactions. It applies its research capabilities to address environmental health issues of concern in urban areas and southeast Michigan. This Web site provides information about the Center's research activities, outreach and education efforts, upcoming and past events, membership, and staff.

Notes Follow the "Community Outreach" links for news about the COEP, back issues of "The Link" newsletter, and downloadable informational hand-outs.

AN 000089

Title The Link

Author(s) Dereski, M.

Publication Year 1997- Note: Serial publication.

Publisher Wayne State University

Format Newsletter

Language English

Audience K-12, General public--Local residents, Scientists/researchers

Physical Description 8 pp; mono; ill

Availability Public domain. No restrictions.

See Web site: <http://www.ehscenter.org>

COEP Wayne State University

Subjects COEPs (Community Outreach and Education Programs), COEP activities, Outreach activities

Abstract This newsletter provides information about the outreach resources and activities of the Environmental Health Sciences Center at Wayne State University. It is distributed to teachers, researchers, community groups, and COEP participants in order to foster connections among scientists, educators, and the community. Back issues (Fall 1997 and more recent) are available to the public on the Internet.

Notes Resource Center holds Vol 1(1) (1997) through vol 5(1) (2001). Many issues available through the COEP's Web site. Go to <http://www.ehscenter.org/> and click on "Community Outreach," and then "Our Newsletter The Link."

AN 000090

Title The Link, Vol 1(1), February 1997

Author(s) Dereski, M.

Publication Year 1997

Publisher Wayne State University

Format Newsletter issue

Language English

Audience K-12, General public--Local residents, Scientists/researchers

Physical Description 8 pp; mono; ill

Availability Public domain. No restrictions.

See Web site: <http://www.ehscenter.org>

COEP Wayne State University

Subjects COEPs (Community Outreach and Education Programs), COEP activities, Outreach activities, Apprenticeships

Abstract This newsletter provides information about the outreach resources and activities of the Environmental Health Sciences Center at Wayne State University. This issue includes articles on 1) apoptosis research, 2) the Center's 1996 annual symposium, 3) COEP lead poisoning outreach programs, 4) the Center's apprenticeship program, and 5) various educational outreach projects, as well as a calendar of COEP events and photos of COEP activities in local schools.

AN 000091

Title The Link, Vol 1(2), April/May 1997

Author(s) Dereski, M.

Publication Year 1997

Publisher Wayne State University

Format Newsletter issue

Language English

Audience K-12, General public--Local residents, Scientists/researchers

Physical Description 8 pp; mono; ill

Availability Public domain. No restrictions.

See Web site: <http://www.ehscenter.org>

COEP Wayne State University

Subjects COEPs (Community Outreach and Education Programs), COEP activities, Outreach activities

Abstract This newsletter provides information about the outreach resources and activities of the Environmental Health Sciences Center at Wayne State University. This issue includes articles on 1) research using animals, 2) the association between environmental chemical contaminants and breast cancer, 3) a junior science and humanities symposium hosted by Wayne State University, 4) recent and upcoming conferences related to environmental health issues, 5) various educational outreach activities, and 6) a simple, educational science experiment, as well as a calendar of COEP events and photos of COEP activities in local schools.

AN 000092

Title The Link, Vol 1(3), May/June 1997
Author(s) Dereski, M.
Publication Year 1997
Publisher Wayne State University
Format Newsletter issue
Language English
Audience K-12, General public--Local residents, Scientists/researchers
Physical Description 8 pp; mono; ill
Availability Public domain. No restrictions.
See Web site: <http://www.ehscenter.org>
COEP Wayne State University
Subjects COEPs (Community Outreach and Education Programs), COEP activities, Outreach activities
Abstract This newsletter provides information about the outreach resources and activities of the Environmental Health Sciences Center at Wayne State University. This issue includes articles on 1) a recent trip to Washington, DC, to promote the need for environmental health science research, 2) research on genetic susceptibility to cancer, 3) thoughts from a participant in the Center's apprenticeship program, 4) a new educational initiative to promote environmental health awareness among physicians and nurses, 5) various educational outreach activities, 6) the COEP's involvement in a local school's Career Day, 7) a simple, educational science experiment, and 8) the winner of a student science competition, as well as a calendar of COEP events and photos of COEP activities in local schools.

AN 000093

Title The Link, Vol 1(4), August 1997
Author(s) Dereski, M.
Publication Year 1997
Publisher Wayne State University
Format Newsletter issue
Language English
Audience K-12, General public--Local residents, Scientists/researchers
Physical Description 8 pp; mono; ill
Availability Public domain. No restrictions.
See Web site: <http://www.ehscenter.org>
COEP Wayne State University
Subjects COEPs (Community Outreach and Education Programs), COEP activities, Outreach activities
Abstract This newsletter provides information about the outreach resources and activities of the Environmental Health Sciences Center at Wayne State University. This issue includes articles on 1) predictive genetic testing for susceptibility to cancer, 2) participants in the Center's apprenticeship program, 3) various community outreach efforts, 4) various educational outreach efforts, 5) a woman toxicologist and pioneer in industrial hygiene, and 6) a simple, educational science experiment, as well as a calendar of COEP events and photos of COEP activities in local schools.

AN 000094

Title The Link, Vol 1(5), September/October 1997

Author(s) Dereski, M.

Publication Year 1997

Publisher Wayne State University

Format Newsletter issue

Language English

Audience K-12, General public--Local residents, Scientists/researchers

Physical Description 8 pp; mono; ill

Availability Public domain. No restrictions.
PDF file currently available.

See Web site: <http://www.ehscenter.org>

COEP Wayne State University

Subjects COEPs (Community Outreach and Education Programs), COEP activities, Outreach activities

Abstract This newsletter provides information about the outreach resources and activities of the Environmental Health Sciences Center at Wayne State University. This issue includes articles on 1) the human genome, 2) presentations by participants in the Center's apprenticeship program, 3) various community outreach efforts, 4) various educational outreach efforts, 5) educational Internet and television programs, 6) an African American ecologist and pioneer in the study of the ecological effects of pesticides, 7) a high school teacher's summer experience working at Wayne State's Institute of Chemical Toxicology, 8) the director of the Center's Molecular Imaging and Analytic Cytometry Facility Core, and 9) a simple, educational science experiment, as well as a calendar of COEP events and photos of COEP activities in local schools.

Notes Available through the COEP's Web site. Go to <http://www.ehscenter.org/> and click on "Community Outreach," and then "Our Newsletter The Link."

AN 000095

Title The Link, Vol 1(6), November/December 1997

Author(s) Dereski, M.

Publication Year 1997

Publisher Wayne State University

Format Newsletter issue

Language English

Audience K-12, General public--Local residents, Scientists/researchers

Physical Description 8 pp; mono; ill

Availability Public domain. No restrictions.
PDF file currently available.

See Web site: <http://www.ehscenter.org>

COEP Wayne State University

Subjects COEPs (Community Outreach and Education Programs), COEP activities, Outreach activities

Abstract This newsletter provides information about the outreach resources and activities of the Environmental Health Sciences Center at Wayne State University. This issue includes articles on 1) guidelines for developing a high quality science fair project, 2) various community outreach efforts, 4) various educational outreach efforts, 5) the leader of the Center's Human Applications Research Core, 5) an African American woman doctor and leader in cancer research, and 6) a simple, educational science experiment, as well as a calendar of COEP events and photos of COEP activities in local schools.

Notes Available through the COEP's Web site. Go to <http://www.ehscenter.org/> and click on "Community Outreach," and then "Our Newsletter The Link."

AN 000096

Title The Link, Vol 2(1), Spring 1998

Author(s) Dereski, M.

Publication Year 1998

Publisher Wayne State University

Format Newsletter issue

Language English

Audience K-12, General public--Local residents, Scientists/researchers

Physical Description 8 pp; mono; ill

Availability Public domain. No restrictions.

See Web site: <http://www.ehscenter.org>

COEP Wayne State University

Subjects COEPs (Community Outreach and Education Programs), COEP activities, Outreach activities

Abstract This newsletter provides information about the outreach resources and activities of the Environmental Health Sciences Center at Wayne State University. This issue includes articles on 1) lead poisoning prevention education, 2) the COEP's summer science camp, 3) various community outreach efforts, 4) various educational outreach efforts, 5) educational Web sites, 6) an African American woman scientist and lawyer, 7) a Center member who studies the effects of neurotoxic drugs on the brain, and 8) a simple, educational science experiment, as well as a calendar of COEP events and photos of COEP activities in local schools.

AN 000097

Title The Link, Vol 3(1), Winter 1999

Author(s) Dereski, M.

Publication Year 1999

Publisher Wayne State University

Format Newsletter issue

Language English

Audience K-12, General public--Local residents, Scientists/researchers

Physical Description 8 pp; mono; ill

Availability Public domain. No restrictions.

PDF file currently available.

See Web site: <http://www.ehscenter.org>

COEP Wayne State University

Subjects COEPs (Community Outreach and Education Programs), COEP activities, Outreach activities

Abstract This newsletter provides information about the outreach resources and activities of the Environmental Health Sciences Center at Wayne State University. This issue includes articles on 1) risk perception and risk assessment, 2) results of the COEP's summer science camp, 3) various community outreach efforts, 4) various educational outreach efforts, 5) Web sites of interest, 6) the Center's director of the High School Research Apprenticeship Program and his cancer research, and 7) a simple, educational science experiment, as well as a calendar of COEP events and photos of COEP activities in local schools.

Notes Available through the COEP's Web site. Go to <http://www.ehscenter.org/> and click on "Community Outreach," and then "Our Newsletter The Link."

AN 000098

Title The Link, Vol 3(2), Fall 1999

Author(s) Dereski, M.

Publication Year 1999

Publisher Wayne State University

Format Newsletter issue

Language English

Audience K-12, General public--Local residents, Scientists/researchers

Physical Description 8 pp; mono; ill

Availability Public domain. No restrictions.
PDF file currently available.

See Web site: <http://www.ehscenter.org>

COEP Wayne State University

Subjects COEPs (Community Outreach and Education Programs), COEP activities, Outreach activities

Abstract This newsletter provides information about the outreach resources and activities of the Environmental Health Sciences Center at Wayne State University. This issue includes articles on 1) mutual benefits of teacher-scientist interactions, 2) the COEP's summer science camp, 3) various community outreach efforts, 4) various educational outreach efforts, 5) a Center member from the Department of Pharmacology, 6) events at the 1999 annual High School Student and Teacher Apprenticeship Colloquium, and 7) a simple, educational science experiment, as well as a calendar of COEP events and photos of COEP activities in local schools.

Notes Available through the COEP's Web site. Go to <http://www.ehscenter.org/> and click on "Community Outreach," and then "Our Newsletter The Link."

AN 000099

Title The Link, Vol 4(1), Spring 2000

Author(s) Dereski, M.

Publication Year 2000

Publisher Wayne State University

Format Newsletter issue

Language English

Audience K-12, General public--Local residents, Scientists/researchers

Physical Description 8 pp; mono; ill

Availability Public domain. No restrictions.
PDF file currently available.

See Web site: <http://www.ehscenter.org>

COEP Wayne State University

Subjects COEPs (Community Outreach and Education Programs), COEP activities, Outreach activities

Abstract This newsletter provides information about the outreach resources and activities of the Environmental Health Sciences Center at Wayne State University. This issue includes articles on 1) training teachers and students in effective use of the Internet, 2) summer programs at the COEP, 3) various community outreach efforts, 4) various educational outreach efforts, 5) educational Web sites and other recommended resources, 6) a Center member from the Institute of Chemical Toxicology, 7) outcomes of the COEP's annual symposium for high school science teachers and students, and 8) a simple, educational science experiment, as well as a calendar of COEP events and photos of COEP activities in local schools.

Notes Available through the COEP's Web site. Go to <http://www.ehscenter.org/> and click on "Community Outreach," and then "Our Newsletter The Link."

AN 0000100

Title The Link, Vol 4(2), Fall 2000

Author(s) Dereski, M.

Publication Year 2000

Publisher Wayne State University

Format Newsletter issue

Language English

Audience K-12, General public--Local residents, Scientists/researchers

Physical Description 8 pp; mono; ill

Availability Public domain. No restrictions.
PDF file currently available.

See Web site: <http://www.ehscenter.org>

COEP Wayne State University

Subjects COEPs (Community Outreach and Education Programs), COEP activities, Outreach activities

Abstract This newsletter provides information about the outreach resources and activities of the Environmental Health Sciences Center at Wayne State University. This issue includes articles on 1) the outcomes from the first session of the COEP's course on Web-based learning for teachers, 2) the COEP's weekend laboratory experience course for middle and high school students, 3) various community outreach efforts, 4) various educational outreach efforts, 5) educational Web sites and other recommended resources, 6) a Center member and Director in Molecular Pathology at Henry Ford Health System, 7) an awards program for winners of the 2000 Environmental Health Sciences research contest, 8) a teacher working on the CyberSchoolhouse project with asthma issues, and 9) a simple, educational science experiment, as well as a calendar of COEP events and photos of COEP activities in local schools.

Notes Available through the COEP's Web site. Go to <http://www.ehscenter.org/> and click on "Community Outreach," and then "Our Newsletter The Link."

AN 0000101

Title The Link, Vol 5(1), Winter 2001

Author(s) Dereski, M.

Publication Year 2001

Publisher Wayne State University

Format Newsletter issue

Language English

Audience K-12, General public--Local residents, Scientists/researchers

Physical Description 8 pp; mono; ill

Availability Public domain. No restrictions.
PDF file currently available.

See Web site: <http://www.ehscenter.org>

COEP Wayne State University

Subjects COEPs (Community Outreach and Education Programs), COEP activities, Outreach activities

Abstract This newsletter provides information about the outreach resources and activities of the Environmental Health Sciences Center at Wayne State University. This issue includes articles on 1) collaboration among groups to deal with lead poisoning issues, 2) teacher training workshops offered by the COEP, 3) various community outreach efforts, 4) various educational outreach efforts, 5) an educational Web site and other resources, 6) a Center member and his research in cellular responses to chemicals, 7) presentations to teachers given by the COEP director, 8) a teacher working on the CyberSchoolhouse project with genetic and cancer issues, and 9) a simple, educational science experiment, as well as a calendar of COEP events and photos of COEP activities in local schools.

Notes Available through the COEP's Web site. Go to <http://www.ehscenter.org/> and click on "Community Outreach," and then "Our Newsletter The Link."

AN 0000102

Title Environmental Cyber Schoolhouse Web Site

Author(s) Dereski, M.

Publication Year 2001

Publisher Wayne State University

Format Web site

Language English

Audience K-12--High school, General public--Local residents

Physical Description Web site

Availability Copyrighted and COEP requires that users undergo training. Limited access available for guests. Full access for those who have attended and completed a training workshop.

See Web site: <http://www.cyberschoolhouse.org>

COEP Wayne State University

Subjects Environmental health, Asthma, Lead, Lead poisoning, Curriculum, Science education

Abstract The Environmental Cyber Schoolhouse designed to teach middle and high school students about environmental health issues through two different interactive, Web-based stories: Health Quest (about lead poisoning) and Sports Quest (about asthma). Teachers must undergo training before they or their students receive full access to the site. The Health Quest unit follows the story of Maria and her family who learn about lead poisoning at a health fair. Students learn about Maria's environment, the history of lead, symptoms and prevalence of lead poisoning, prevention strategies, and careers in health sciences, with the objective of helping Maria and her family return to good health. The general public may log on as guests on the Health Quest section and view pages containing various articles about lead poisoning issues and links to other useful Web sites.

Notes Full access to the Environmental Cyber Schoolhouse Web site is restricted to those who have attended and completed a training workshop. Limited access is available to the public by logging in as a guest. Contact the COEP for information about training sessions. (Note: As of 8/30/01, the Sports Quest unit guest log in was not functioning on the Web.)

AN 0000103

Title In Our Own Backyard: Environmental Health Training of Promotoras Along the Texas-Mexico Border

Author(s) Ramos, I.N.
Ramos, K.S.

Publication Year 2000

Publisher Texas A&M University

Format Video

Language English

Audience Scientists/researchers--COEPs, Scientists/researchers--NIEHS Centers, Government--NIEHS, General public

Physical Description 1 video (4:32 min); sd; col; 1/2 in VHS

Availability Copyrighted, but copyright holder allows copying and distributing.

COEP Texas A & M University

Subjects Rural health, Poverty, Texas-Mexico border region, Community education, Community health services, Train-the-trainer programs

Abstract Residents of the rural colonias along the Texas-Mexico border often live in poverty and face numerous environmental health hazards. Culturally appropriate outreach methods are critical in communicating with this Spanish-speaking population. This video describes the program developed by the NIEHS Center for Environmental and Rural Health at Texas A&M University to train promotoras, or community educators. After training, promotoras teach residents about various environmental health issues and the community health resources available to them.

AN 0000104

Title Environmental Agents as Modulators of Disease Processes (brochure)
Author(s) Environmental Health Sciences Center, University of Rochester
Publication Year 2000
Publisher University of Rochester
Sponsoring Agency NIEHS
Format Booklet
Language English
Audience Scientists/researchers, University education--Post-graduates
Physical Description 12 pp; col; ill
Availability Public domain. No restrictions.
COEP University of Rochester
Subjects NIEHS Centers research and activities, COEP activities, Outreach activities
Abstract The Environmental Health Sciences Center at the University of Rochester supports a variety of environmental health research programs, united by the theme of understanding "environmental agents as modulators of human disease and dysfunction." This booklet provides an overview of the Center's research faculty, research cores, facility cores, enrichment programs, community outreach and education efforts, and Ph.D program in toxicology.

AN 0000105

Title Environmental Health Sciences Center (brochure)
Author(s) Environmental Health Sciences Center, University of Rochester
Publication Year 2000
Publisher University of Rochester
Sponsoring Agency NIEHS
Format Brochure
Language English
Audience General public
Physical Description 2 pp (tri-fold); col; ill
Availability Public domain. No restrictions.
COEP University of Rochester
Subjects NIEHS Centers research and activities, COEP activities, Outreach activities, Educational courses
Abstract The Environmental Health Sciences Center at the University of Rochester supports a variety of environmental health research programs, united by the theme of understanding "environmental agents as modulators of human disease and dysfunction." This brochure provides a brief synopsis of the Center's research cores, facility cores, enrichment program, community outreach and education efforts, and Ph.D program in toxicology.

AN 0000106

Title Community Outreach and Education Programs (COEP) (brochure)
Author(s) Environmental Health Sciences Center, University of Rochester
Publication Year 2000
Publisher University of Rochester
Sponsoring Agency NIEHS
Format Brochure
Language English
Audience General public, K-12
Physical Description 2 pp (tri-fold); col; ill
Availability Public domain. No restrictions.
COEP University of Rochester
Subjects NIEHS Centers research and activities, COEP activities, Outreach activities, Educational courses, Summer programs
Abstract The Community Outreach and Education Programs (COEP) of the Environmental Health Sciences Center at the University of Rochester serve students, teachers, healthcare professionals, public officials, and other members of the community by providing environmental health information and other resources. This brochure briefly describes the outreach and education activities of the COEP.

AN 0000107

Title A Guide to Issues of Drug, Occupational, and Environmental Exposures During Pregnancy
Author(s) University of Rochester Medical Center, Obstetrics and Gynecology
Publication Year 2000
Publisher University of Rochester
Sponsoring Agency NIEHS
Format Brochure
Language English
Audience Healthcare community--Healthcare providers, Healthcare community--Patients
Physical Description 2 pp (7.33 x 8.5 in, folded); col
Availability Public domain. No restrictions.
COEP University of Rochester
Subjects Information services, Teratogens, Maternal exposure, Pregnancy
Abstract The Perinatal Environmental and Drug Exposure Consultation Service (PEDECS) at the University of Rochester is the NIEHS's primary referral service for teratology information. This brochure provides a brief description of the services offered by PEDECS.

AN 0000108

Title Department of Environmental Medicine Web Site
Author(s) University of Rochester Department of Environmental Medicine
Publication Year 2001
Publisher University of Rochester
Format Web site
Language English
Audience General public, Scientists/researchers, University education
Physical Description Web site
Availability Public domain. No restrictions.
See Web site: <http://www2.envmed.rochester.edu/envmed>
COEP University of Rochester
Subjects NIEHS Centers research and activities, Environmental medicine, Toxicology, Health effects of pollution, Occupational health, Environmental health, University education
Abstract The Department of Environmental Medicine administers the NIEHS Environmental Health Sciences Center and an EPA Particulate Matter Center at the University of Rochester. The Department's mission is "to increase scientific understanding of the health risks posed by contaminants--at home, in the workplace, and in the ambient environment." This Web site provides information about the Department's academic programs, faculty, students, research centers, medical services, and community outreach programs.

AN 0000109

Title Community Outreach and Education Programs Web Site
Author(s) Environmental Health Sciences Center, University of Rochester
Publication Year 2001
Publisher University of Rochester
Format Web site
Language English
Audience K-12, General public--Local residents
Physical Description Web site
Availability Public domain. No restrictions.
See Web site: <http://www2.envmed.rochester.edu/envmed/EHSC/outreach/coep.html>
COEP University of Rochester
Subjects COEPs (Community Outreach and Education Programs), COEP activities, Outreach activities, Outreach to students, Summer programs, Teacher education, Science education
Abstract The Community Outreach and Education Programs (COEP) of the Environmental Health Sciences Center at the University of Rochester serve students, teachers, healthcare professionals, public officials, and other members of the community by providing environmental health information and other resources. This Web site provides information and resources related to the COEPs outreach programs for students, teachers, and the community.

AN 0000110

Title University of Rochester Summer Science Academy (brochure)
Author(s) Environmental Health Sciences Center, University of Rochester
Publication Year 2001
Publisher University of Rochester
Sponsoring Agency NIEHS, NIH
Format Brochure
Language English
Audience K-12--High school
Physical Description 8 pp, b&w, ill
Availability Public domain. No restrictions.
COEP University of Rochester
Subjects Summer programs, Science education, COEP activities, Gifted students, Microbiology, Molecular biology, Experiments (lessons)
Abstract The University of Rochester offers a Summer Science Academy for students entering 10th through 12th grade interested in biological sciences. This brochure describes the goals, content, and application procedure of the program, and contains application and teacher recommendation forms.

AN 0000111

Title University of Rochester Science Explorations Camp (brochure)
Author(s) Environmental Health Sciences Center, University of Rochester
Publication Year 2001
Publisher University of Rochester
Format Brochure
Language English
Audience K-12--Middle school
Physical Description 8 pp (5.5 x 8.5 in); b&w; ill
Availability Public domain. No restrictions.
COEP University of Rochester
Subjects Summer programs, Science education, Primary school education, Microbiology, Field work/field trips
Abstract The University of Rochester offers a summer-time Science Explorations Camp for students entering grades 7 through 9 who are interested in biological sciences. The theme of the 2001 summer program is microorganisms. This brochure describes the content of the program and contains application and teacher recommendation forms.

AN 0000112

Title University of Rochester Summer Science Academy (laboratory manual)

Author(s) Markowitz, D.

Publication Year 2000

Publisher University of Rochester

Sponsoring Agency NIH, NIEHS, Wyeth Lederle Vaccines & Pediatrics

Format Curriculum

Language English

Audience K-12--High school

Physical Description 176 pp; b&w; ill; tables; figures; glossary

Availability Public domain. No restrictions.

COEP University of Rochester

Subjects Summer programs, Science education, Laboratory techniques and procedures, Microbiology, DNA

Abstract The University of Rochester offers a Summer Science Academy for students entering grades 10 through 12 who are grade interested in biological sciences. This manual contains instructions for introductory exercises in using laboratory equipment, as well as background information and procedures for performing 24 different laboratory experiments and lessons relating to microorganisms, antibodies, genetics, and pharmaceutical research.

AN 0000113

Title What's in Our Water? A Water Quality Education Project (laboratory manual)

Author(s) Markowitz, D.

Publication Year 1999

Publisher University of Rochester

Sponsoring Agency NIEHS

Format Curriculum

Language English

Audience K-12--Middle school, K-12--High school

Physical Description 96 pp; b&w; ill; tables

Availability Public domain. No restrictions.

COEP University of Rochester

Subjects Water quality, Great Lakes region, Water pollution, Aquatic ecosystems, Curriculum, Lesson plans, Classroom activities

Abstract What's in Our Water? is a science curriculum enhancement program for middle and high school students. The program consists of lessons and hands-on activities that teach principles of microbiology, chemistry, and ecology in the context of environmental health and the quality of local water sources. Periodically scheduled teacher workshops provide information and training in water quality analysis methods and water-related environmental health issues. This manual, used during the teacher workshop, provides a background discussion about water quality, types of water pollution, and aquatic ecosystems, followed by a teacher's guide for 33 lessons and activities relating to water quality issues.

AN 0000114

Title University of Rochester Summer Science Camp 1998 Environmental Health Unit Presentation Notes
Author(s) Environmental Health Sciences Center, University of Rochester
Publication Year 1998
Publisher University of Rochester
Format Curriculum
Language English
Audience K-12--Elementary school, K-12--Middle school
Physical Description 24 pp; b&w
Availability Public domain. No restrictions.
COEP University of Rochester
Subjects Summer programs, Environmental education, Health education, Occupational health, Air pollution, Noise pollution, Water quality, Experiments (lessons)
Abstract The Environmental Health Sciences Center at the University of Rochester offered a 1998 Summer Science Camp for grades 5 through 8, with the theme "Environmental Health and You." These presentation notes cover background information about the hazards and benefits of chemicals, occupational health and ergonomics, and the health effects of air, noise, and water pollution,

AN 0000115

Title University of Rochester Summer Science Camp 1999--Microorganisms
Author(s) Markowitz, D.
Environmental Health Sciences Center, University of Rochester
Publication Year 1999
Publisher University of Rochester
Format Curriculum
Language English
Audience K-12--Elementary school, K-12--Middle school
Physical Description 24 pp; b&w; tables
Availability Public domain. No restrictions.
COEP University of Rochester
Subjects Summer programs, Experiments (lessons), Laboratory techniques and procedures, Classroom activities, Microbiology, Viruses, Epidemiology, Protozoa, Algae, Bacteria
Abstract The Environmental Health Sciences Center at the University of Rochester offered a 1999 Summer Science Camp for grades 5 through 8, with the theme "Microorganisms." This guidebook provides background information and instructions for 12 laboratory activities relating to microorganisms and other cells.

AN 0000116

Title Environmental Threats to Women's Health--A Community Town Meeting Sponsored by the University of Rochester Environmental Health Sciences Center
Author(s) Environmental Health Sciences Center, University of Rochester
Publication Year 2000
Sponsoring Agency NIEHS
Format Meeting material
Language English
Audience General public--Women
Physical Description 2 pp (14 x 11 in, 4-fold); mono (purple on pink); ill
Availability Public domain. No restrictions.
COEP University of Rochester
Subjects Women's health, Environmental health, Town meetings
Abstract Women have unique susceptibilities to environmental chemical exposures. The Environmental Health Sciences Center at the University of Rochester sponsored a community town meeting on October 10, 2000 to explore women's environmental health issues. This brochure describes the purpose of the meeting, lists the program participants, and contains a registration form.

AN 0000117

Title Your Environment and Your Health

Author(s) Markowitz, D.
Environmental Health Sciences Center, University of Rochester

Publication Year 1999

Publisher University of Rochester

Format Presentation material

Language English

Audience K-12--Elementary school, K-12--Middle school, General public

Physical Description 23 pp PowerPoint presentation; col

Availability Public domain. No restrictions.
PDF file currently available.

COEP University of Rochester

Subjects Environmental health, Indoor air pollution and indoor air quality, Asthma triggers, Air pollution, Allergies, Water pollution sources, Water pollution--biological, Lead poisoning, Children's health, Occupational exposure, Dioxins, PCBs, Radon, Government agencies

Abstract This presentation provides a broad overview of environmental health issues. Sections of the presentation cover subjects including indoor and outdoor air quality, allergies and asthma, water pollution, lead poisoning, agricultural and industrial pollutants, dioxin, PCBs, radon, and government agencies involved in various aspects of environmental health.

Notes Format is PowerPoint presentation

AN 0000118

Title My Environment, My Health, My Choices--Curriculum Development Program Web Site

Author(s) Markowitz, D.
Environmental Health Sciences Center, University of Rochester

Publication Year 2001

Publisher University of Rochester

Format Web site

Language English

Audience K-12

Physical Description Web site

Availability Public domain. No restrictions.

See Web site: <http://www2.envmed.rochester.edu/envmed/ehsc/outreach/MyEnvironment.html>

COEP University of Rochester

Subjects Environmental education, Teacher education, Environmental health, Training courses, Secondary school education, Interdisciplinary curriculum, Great Lakes region

Abstract Environmental health issues, often multidisciplinary in nature, are relevant subjects for middle and high school curricula but can be complicated to address within the structured classroom environment. For this reason, the NIEHS has funded "My Environment, My Health, My Choices," a seven-year project at the University of Rochester's Environmental Health Sciences Center to develop a new and effective environmental health curriculum in collaboration with interdisciplinary teams of local middle and high school teachers. This Web site describes the goals and methods of the project and provides links to a PowerPoint presentation, press release, and supplementary information about the project.

AN 0000119

Title Occupational Asthma

Author(s) Beckett, W.S.
Markowitz, D.

Publication Year 2000

Sponsoring Agency Association of Occupational and Environmental Clinics, NIOSH

Format CD-ROM

Language English

Audience Healthcare community--Healthcare providers

Physical Description 42 pp PowerPoint presentation (26 MB); sd; col; refs

Availability Copyrighted, but copyright holder allows copying and distributing.
File is available for download or on-line viewing from the Association of Occupational and Environmental Clinics Web site: <http://www.aoec.org>. Click on "Educational Resources," then "Library," then see download options under "Occupational Asthma."

See Web site: <http://www.aoec.org/LLDIR.htm>

COEP University of Rochester

Subjects Asthma, Occupational health, Occupational exposure, Lung diseases, Epidemiology, Diagnosis, Diagnostic techniques and procedures

Abstract Occupational asthma is a potentially fatal disease with numerous causes. This presentation is part of an educational module for healthcare workers. It provides an overview of occupational lung diseases, and then focuses on occupational asthma. It analyzes the disease by examining case reports and the results of epidemiological research. It summarizes the characteristics of the disease, risk factors, immunology issues, causes, diagnostic methods, available therapy, recommended workplace interventions, and regulatory and legal issues.

Notes AOEC also sells CD copies for \$10.

AN 0000120

Title Your Health and the Environment (newsletter)

Author(s) Environmental Health Sciences Center, University of Rochester

Publication Year 1998- Note: Serial publication.

Publisher University of Rochester

Format Newsletter

Language English

Audience General public

Physical Description 4-8 pp; color; ill

Availability Public domain. No restrictions.

See Web site: <http://behv04.envmed.rochester.edu/envmed/ehsc/outreach/bw/yourhealth.html>

COEP University of Rochester

Subjects Environmental health

Abstract This newsletter provides information about a variety of environmental health issues as well as news about the Department of Environmental Medicine and the Environmental Health Sciences Center at the University of Rochester School of Medicine and Dentistry.

Notes Research Center holds Winter 1998-99 through 2000 Issue 3. Selected issues available on the Internet.

AN 0000121

Title Your Health and the Environment, Winter 1998-99

Author(s) Environmental Health Sciences Center, University of Rochester

Publication Year 1998

Publisher University of Rochester

Format Newsletter issue

Language English

Audience General public

Physical Description 4 pp; mono

Availability Public domain. No restrictions.

See Web site: <http://behv04.envmed.rochester.edu/envmed/ehsc/outreach/bw/webnews/Jan-Feb99.html>

COEP University of Rochester

Subjects Environmental health, Great Lakes region, Male reproductive health, Endocrine disruptors, Health effects of pollution

Abstract This newsletter provides information about a variety of environmental health issues as well as news about the Department of Environmental Medicine and the Environmental Health Sciences Center at the University of Rochester School of Medicine and Dentistry. This issue features an article that summarizes the latest research on the effects of environmental pollutants, particularly endocrine disruptors, on male reproductive health.

AN 0000122

Title Your Health and the Environment, Spring 1999

Author(s) Environmental Health Sciences Center, University of Rochester

Publication Year 1999

Publisher University of Rochester

Format Newsletter issue

Language English

Audience General public

Physical Description 4 pp; mono

Availability Public domain. No restrictions.

PDF file currently available.

See Web site: <http://behv04.envmed.rochester.edu/envmed/ehsc/outreach/bw/webnews/Jan-Feb2000.pdf>

COEP University of Rochester

Subjects Environmental health, Great Lakes region, Asthma, Occupational asthma

Abstract This newsletter provides information about a variety of environmental health issues as well as news about the Department of Environmental Medicine and the Environmental Health Sciences Center at the University of Rochester School of Medicine and Dentistry. This issue features an article on asthma. The article summarizes the current thinking on the relative contributions of genetic and environmental factors to the disease and describes research on the possible causes of asthma: outdoor air, indoor air, infections, lifestyle factors, and occupational conditions.

AN 0000123

Title Your Health and the Environment, Fall 1999

Author(s) Environmental Health Sciences Center, University of Rochester

Publication Year 1999

Publisher University of Rochester

Format Newsletter issue

Language English

Audience General public

Physical Description 8 pp; col; ill

Availability Public domain. No restrictions.

COEP University of Rochester

Subjects Environmental health, Great Lakes region, Lung cancer, Genetics and genetic research, Dioxins, Tobacco smoke, COEP activities

Abstract This newsletter provides information about a variety of environmental health issues as well as news about the Department of Environmental Medicine and the Environmental Health Sciences Center at the University of Rochester School of Medicine and Dentistry. This issue includes 1) an article about recent Environmental Health Sciences Center research concerning genetics, dioxins, and smoking-related cancers; 2) a summary of current research and services of the Center; 3) a description of the work of an agricultural nurse; 4) a summary of COEP activities; and 5) profiles of a Ph.D student and Center faculty member.

AN 0000124

Title Your Health and the Environment, 2000--Issue 1

Author(s) Environmental Health Sciences Center, University of Rochester

Publication Year 2000

Publisher University of Rochester

Format Newsletter issue

Language English

Audience General public

Physical Description 8 pp; b&w; ill

Availability Public domain. No restrictions.

COEP University of Rochester

Subjects Environmental health, Great Lakes region, Occupational exposure, Summer programs, COEP activities, Occupational diseases

Abstract This newsletter provides information about a variety of environmental health issues as well as news about the Department of Environmental Medicine and the Environmental Health Sciences Center at the University of Rochester School of Medicine and Dentistry. This issue includes articles about 1) University of Rochester research on the health effects of ultrafine airborne particles, 2) recent research on occupational respiratory diseases, 3) the genetic and environmental causes of autism, 4) the Center's summer science programs for high school students, and 5) profiles of a Ph.D student and Center faculty member.

AN 0000125

Title Your Health and the Environment, 2000--Issue 2

Author(s) Environmental Health Sciences Center, University of Rochester

Publication Year 2000

Publisher University of Rochester

Format Newsletter issue

Language English

Audience General public

Physical Description 8 pp; col; ill

Availability Public domain. No restrictions.

COEP University of Rochester

Subjects Environmental health, Great Lakes region, Lead, Osteoporosis, Summer programs, Children's health, COEP activities, Science education, Water quality, Hazardous substances, Computers

Abstract This newsletter provides information about a variety of environmental health issues as well as news about the Department of Environmental Medicine and the Environmental Health Sciences Center at the University of Rochester School of Medicine and Dentistry. This issue includes articles about 1) the connections between lead poisoning and osteoporosis, 2) toxic materials in personal computers, 3) an environmental health curriculum enhancement program developed in part by the COEP, 4) profiles of students and a Center faculty member, and 5) the health effects of pesticides on children.

AN 0000126

Title Your Health and the Environment, 2000--Issue 3

Author(s) Environmental Health Sciences Center, University of Rochester

Publication Year 2000

Publisher University of Rochester

Format Newsletter issue

Language English

Audience General public

Physical Description 8 pp; col; ill

Availability Public domain. No restrictions.

See Web site: <http://www2.envmed.rochester.edu/envmed/ehsc/outreach/newsletter.html>

COEP University of Rochester

Subjects Environmental health, Great Lakes region, Parkinson's disease, Health effects of pesticides, Town meetings, COEP activities, Summer programs, Lead poisoning, Women's health

Abstract This newsletter provides information about a variety of environmental health issues as well as news about the Department of Environmental Medicine and the Environmental Health Sciences Center at the University of Rochester School of Medicine and Dentistry. This issue includes articles about 1) University of Rochester research concerning links between exposure to mixtures of pesticides and Parkinson's disease, 2) an upcoming community town meeting at the Center to discuss women's environmental health issues, 3) the COEP's summer science camp for 7th through 9th graders, 4) profiles of graduate students and Center faculty members, 5) childhood lead poisoning, and 6) conferences on links between nutrition and toxicology.

AN 0000127

Title Environmental Health on the Ag/Urban Frontier, Town Hall Meeting, August 17, 1999
(announcement and agenda)

Author(s) Center for Environmental Health Sciences, University of California at Davis

Publication Year 1999

Format Meeting material

Language English

Audience General public

Physical Description 6 pp; col; ill

Availability Public domain. No restrictions.

PDF file currently available.

See Web site: <http://www.envtox.ucdavis.edu/CEHS/THM.htm>

COEP University of California, Davis

Subjects Town meetings, Agriculture, Rural health, Urban health, NIEHS Centers research and activities, Agrochemicals, Air quality, Water quality

Abstract The "ag/urban" frontier is represented by gentrified inner cities and urban ghettos located in geographic proximity to agricultural areas, a phenomenon that is common in northern California as well as many other places in the United States and abroad. The Center for Environmental Health Sciences at UC Davis convened a town hall meeting to discuss local environmental health issues related to this phenomenon, including concerns about air and water quality, land use and agricultural practices, and environmental management. This meeting announcement, with its supplementary materials, provides an overview of the purpose of and topics to be covered in the meeting.

AN 0000128

Title Toxicity Testing with California Blackworms: Alcohol

Edition Rev 1/2001

Author(s) Center for Chemical Education at Miami University
Hines, S. (reviser)

Publication Year c.2001

Format Course material, classroom material

Language English

Audience K-12--Middle school, K-12--High school

Physical Description 20 pp; b&w; tables; student data sheets

Availability Public domain. No restrictions.

PDF file currently available.

See Web site: <http://swehsc.pharmacy.arizona.edu/coep/exercises.html>

COEP University of Arizona

Subjects Experiments (lessons), Classroom activities, Toxicity tests, Laboratory techniques and procedures, Alcohols, Dose-response relationship

Abstract Toxicology is a fundamental component of the scientific study of environmental health. This classroom experiment teaches students about the basic concepts of toxicology, including dose-response and exposure, through observing the effects of a toxicant (ethanol) on the behavior of California blackworms. This teacher's guide provides background information, laboratory instructions, discussion questions, and variations and supplemental activities for conducting the experiment.

AN 0000129

Title Toxicity Testing with California Blackworms: Nicotine
Edition Rev 1/2001
Author(s) Center for Chemical Education at Miami University
Hines, S. (reviser)
Publication Year c.2001
Format Course material, classroom material
Language English
Audience K-12--Middle school, K-12--High school
Physical Description 21 pp; b&w; tables; student data sheets
Availability Public domain. No restrictions.
PDF file currently available.
See Web site: <http://swehsc.pharmacy.arizona.edu/coep/exercises.html>
COEP University of Arizona
Subjects Experiments (lessons), Classroom activities, Toxicity tests, Laboratory techniques and procedures, Nicotine, Dose-response relationship
Abstract Toxicology is a fundamental component of the scientific study of environmental health. This classroom experiment teaches students about the basic concepts of toxicology, including dose-response, and exposure, through observing the effects of a toxicant (nicotine) on the behavior of California blackworms. This teacher's guide provides background information, laboratory instructions, discussion questions, and variations and supplemental activities for conducting the experiment.

AN 0000130

Title Chemicals and Human Health Web Site, Toxicology Activity: Teacher's Guide and Student Sheet
Author(s) Hines, S.
Publication Year 2000
Format Course material, classroom material
Language English
Audience K-12--Middle school, K-12--High school
Physical Description 9 pp; b&w
Availability Public domain. No restrictions.
PDF file currently available.
See Web site: <http://swehsc.pharmacy.arizona.edu/coep/exercises.html>
COEP University of Arizona
Subjects Educational Web sites, Internet resources, Classroom activities, Toxicology, Environmental exposures, Science education, Pesticides, DDT, Dose-response relationship
Abstract Toxicology is a fundamental component of environmental health science. This classroom activity teaches the basic concepts of toxicology and some ways that chemicals affect human health. The problem set includes a handout for students containing a series of questions about toxicological principles and various chemicals and their health effects, as well as a teacher's guide for scoring students answers. The questions are intended to be given to the students prior to their visit to the Web-based activity (see AN0000131).
Notes See AN0000131 for the Web-based version of the activity.

AN 0000131

Title Chemicals and Human Health Web Site, Toxicology Problem Set

Author(s) Hines, S.

Publication Year 2000

Format Web site

Language English

Audience K-12--Middle school, K-12--High school

Physical Description Web site

Availability Public domain. No restrictions.

See Web site: http://www.biology.arizona.edu/chh/problem_sets/toxicology/toxicology.html

COEP University of Arizona

Subjects Educational Web sites, Internet resources, Classroom activities, Toxicology, Environmental exposures, Science education, Pesticides, DDT, Dose-response relationship

Abstract Toxicology is a fundamental component of environmental health science. This classroom activity teaches the basic concepts of toxicology and some ways that chemicals affect human health. The Web site contains a problem set posing questions about toxicological principles, various chemicals, and their health effects. Students answer the questions on-line and may view tutorials that provide additional information to assist in deducing the correct answers. The Web-based portion of the activity is intended to follow the students' answering the questions on hardcopy, without the assistance of the Web site (see AN0000130).

Notes See AN0000130 for the hardcopy version of the activity.

AN 0000132

Title Chemicals and Human Health Web Site, Lung Toxicology Activity: Teacher's Guide and Student Sheet

Author(s) Hines, S.

Publication Year 2000

Format Course material, classroom material

Language English

Audience K-12--Middle school, K-12--High school

Physical Description 6 pp; b&w

Availability Public domain. No restrictions.

PDF file currently available.

See Web site: <http://swehsc.pharmacy.arizona.edu/coep/exercises.html>

COEP University of Arizona

Subjects Educational Web sites, Internet resources, Classroom activities, Toxicology, Science education, Lung diseases, Environmental tobacco smoke/secondhand smoke, Tobacco smoke, Particulate matter, Asthma, Lung cancer

Abstract Toxicology is a fundamental component of environmental health science. This classroom activity addresses lung anatomy and function, air pollutants, and lung diseases. The problem set includes a handout for students containing a series of questions on these subjects, as well as a teacher's guide for scoring students answers. The questions are intended to be given to the students prior to their visit to the Web-based activity (see AN0000133).

Notes See AN0000133 for the accompanying problem set.

AN 0000133

Title Chemicals and Human Health Web Site, Lung Toxicology Problem Set

Author(s) Hines, S.

Publication Year 2000

Format Web site

Language English

Audience K-12--Middle school, K-12--High school

Physical Description Web site

Availability Public domain. No restrictions.

See Web site: http://www.biology.arizona.edu/chh/problem_sets/lung_toxicology/lung_toxicology.html

COEP University of Arizona

Subjects Educational Web sites, Internet resources, Classroom activities, Toxicology, Science education, Lung diseases, Environmental tobacco smoke/secondhand smoke, Tobacco smoke, Particulate matter, Asthma, Lung cancer

Abstract Toxicology is a fundamental component of environmental health science. This classroom activity addresses lung anatomy and function, air pollutants, and lung diseases. The Web site contains a problem set on these subjects. Students answer the questions on-line and may view tutorials that provide additional information to assist in deducing the correct answers. The Web-based portion of the activity is intended to follow the students' answering the questions on hardcopy, without the assistance of the Web site (see AN0000132).

Notes See AN0000132 for the accompanying teacher's guide and student sheet.

AN 0000134

Title Chemicals and Human Health Web Site, Environmental Tobacco Smoke and Lung Development Activity: Teacher's Guide and Student Sheet

Author(s) Hines, S.

Publication Year 2000

Format Course material, classroom material

Language English

Audience K-12--Middle school, K-12--High school

Physical Description 3 pp; b&w

Availability Public domain. No restrictions.

PDF file currently available.

See Web site: <http://swehsc.pharmacy.arizona.edu/coep/exercises.html>

COEP University of Arizona

Subjects Educational Web sites, Internet resources, Classroom activities, Toxicology, Science education, Lung diseases, Environmental tobacco smoke/secondhand smoke, Scientific methods, Animal testing

Abstract Although it is known that environmental tobacco smoke (ETS) is linked to a variety of respiratory health problems, including asthma, respiratory tract infections, and decreased lung function, questions remain about how ETS causes these problems. This classroom activity introduces students to such questions and teaches them about the scientific method and toxicology by examining the methods and results of an actual University of Arizona research experiment to study the effects of ETS on the lungs of mice. The problem set and guide include instructions for carrying out the activity, a set of questions about the methods and results of the University study, as well as a teacher's guide for scoring student answers. The hardcopy materials supplement the Web-based portion of the activity (see AN0000135).

Notes See AN0000135 for the accompanying Web-based activity.